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(Milking machines)

BREMER, G.I., doktor tekhn.nauk, prof.; GALDIN, M.V., inzh.; DEMIN, A.V., kand.tekhn.nauk; ZYABLOV, V.A., kand.tekhn.nauk; KAPLUNOV, M.M., inzh.; KASHEKOV, L.Ya., inzh.; KOROLEV, V.F., kand.tekhn.nauk; KRASNOV, V.S.; KULIK, M.Ye., kand.tekhn.nauk; MAKAROV, A.P., inzh.; NOVIKOV, G.I., kand.tekhn.nauk; NOSKOV, B.G., inzh.; OLENEV, V.A., kand.vet.nauk; OSTANKOV, V.P., inzh.; PERCHIKHIN, A.V., inzh.; POKHVALENSKIY, V.P., kand.tekhn.nauk; SERAFIMOVICH, L.P., kand. tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; URVACHEV, P.N., kand. tekhn.nauk; FADEYEV, N.N., inzh.; FATEYEV, Ye.M.; KRYUKOV, V.L., red.; VESKOVA, Ye.I., tekhn.red.

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KOROLEV, V.F.

ANDRIANOV, V.N., doktor tekhn.nauk; BERSENEV, Ye.Ye., inzh.; BYSTRITSKIY, D.N., kand.tekhn.nauk; GRZBENNIKOV, A.F., kand.tekhn.nauk; GRETSOV, N.A., kand.tekhn.nauk; ZUYEV, V.A., kand.tekhn.nauk; KLIMOV, A.A., kand.tekhn.nauk; KOROLEV, V.F., kand.tekhn.nauk; KUDRYAVTSEV, I.F., kand.tekhn.nauk; KULIK, M.Ye., kand.tekhn.nauk; NAZAROV, G.I., kand. tekhn.nauk; OLEYNIK, N.P., inzh.; OSETROV, P.A., kand.tekhn.nauk; PODSOSOV, A.N., inzh.; POPOV, S.T., inzh.; PRISHCHEP, L.G., kand. tekhn.nauk; PCHELKIN, Yu.N., inzh.; RUBTSOV, P.A., kand.tekhn.nauk; RUNOV, B.A., kand.tekhn.nauk; SAVINKOV, K.P., kand.tekhn.nauk; SAZONOV, N.A., prof., doktor tekhn.nauk; SERGEYEV, A.S., inzh.; SKVORTSOV, P.F., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; TYMINSKIY, Ye.V., inzh.; URVACHEV, P.N., kand.tekhn.nauk; SHTURMAN, B.A., inzh.; SHCHUROV, S.V., kand.ekon.nauk; RUNOVA, L.M., inzh.; VOL'FOVSKAYA, D.N., red.; NIKITINA, V.M., red.; BALLOD, A.I., tekhn.red.

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(Stock and stockbreeding) (Farm mechanization)

KOROLEV, V.F., kand.tekhn.nauk; FARAFONOVA, N.I., kand.tekhn.nauk

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(Machinery industry—Standards)

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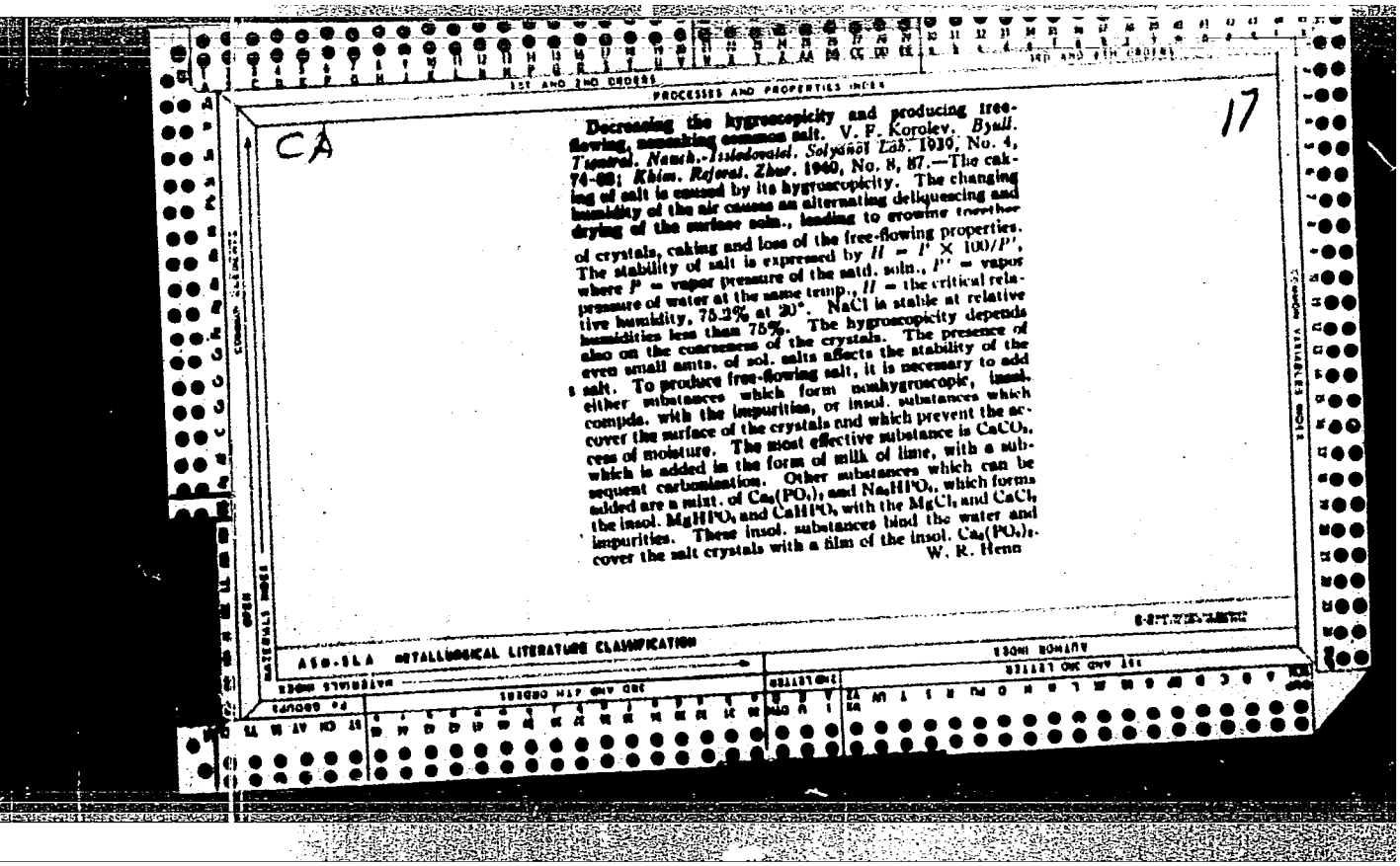

PROCESSES AND PROPERTIES INDEX

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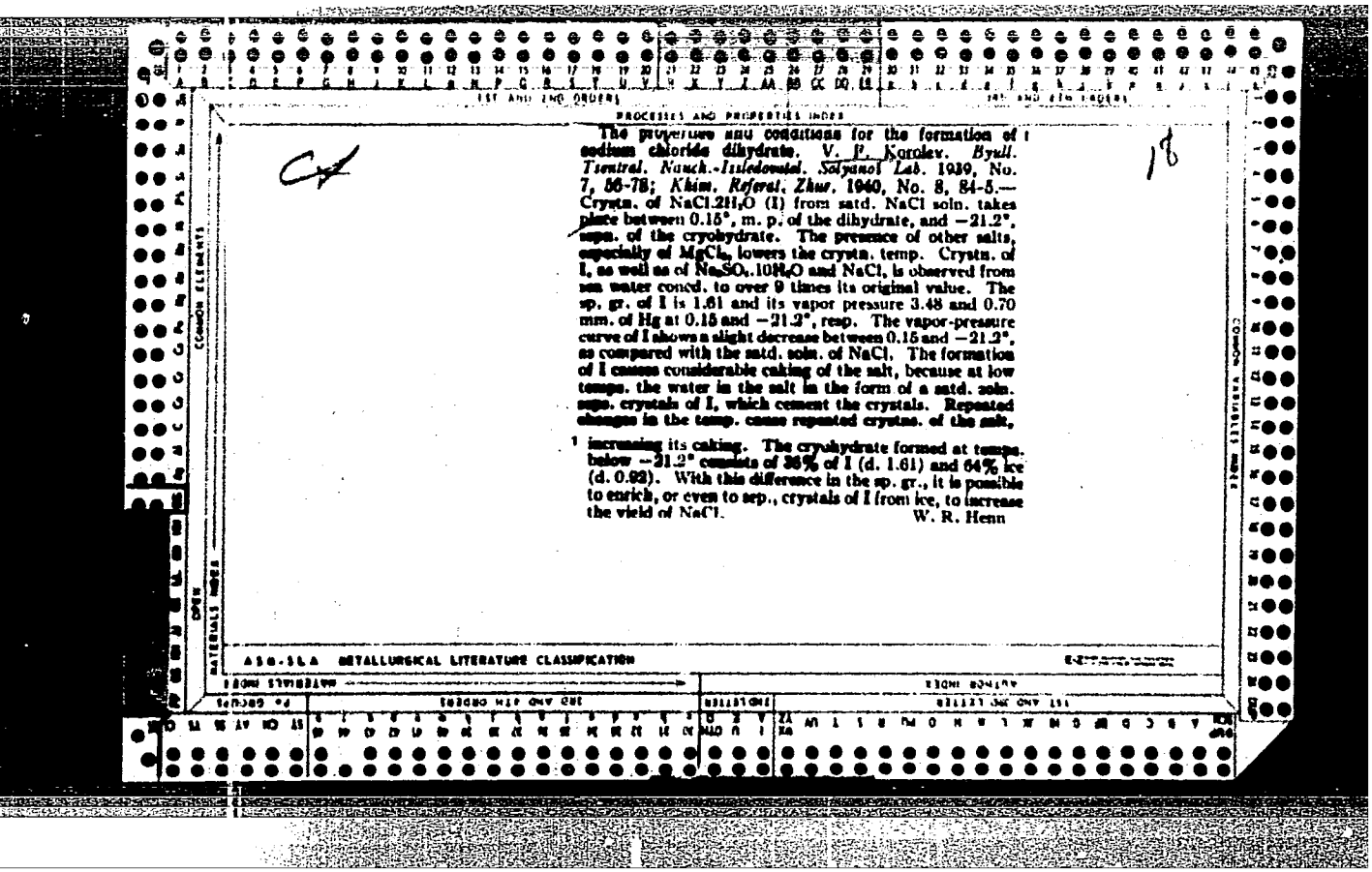
17

Decreasing the hygroscopicity and producing free-flowing, nonsticking common salt. V. F. Korolev. *Byull. Tsentral. Nauch.-Issledovatel. Solyanoi Lab.* 1959, No. 4, 74–88; *Khim. Referat. Zhur.* 1960, No. 8, 87.—The caking of salt is caused by its hygroscopicity. The changing humidity of the air causes an alternating deliquescing and drying of the surface soln., leading to erosion together of crystals, caking and loss of the free-flowing properties. The stability of salt is expressed by $H = P' \times 100/P''$, where P' = vapor pressure of the satd. soln., P'' = vapor pressure of water at the same temp., H = the critical relative humidity, 75.2% at 20°. NaCl is stable at relative humidities less than 75%. The hygroscopicity depends also on the coarseness of the crystals. The presence of even small amts. of sol. salts affects the stability of the salt. To produce free-flowing salt, it is necessary to add either substances which form nonhygroscopic, insol. compds. with the impurities, or insol. substances which cover the surface of the crystals and which prevent the access of moisture. The most effective substance is $CaCO_3$, which is added in the form of milk of lime, with a subsequent carbonization. Other substances which can be added are a mixt. of $Ca_3(PO_4)_2$ and $NaHPO_4$, which forms the insol. $MgHPO_4$ and $CaHPO_4$ with the $MgCl_2$ and $CaCl_2$ impurities. These insol. substances bind the water and cover the salt crystals with a film of the insol. $Ca_3(PO_4)_2$.

W. R. Henn

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

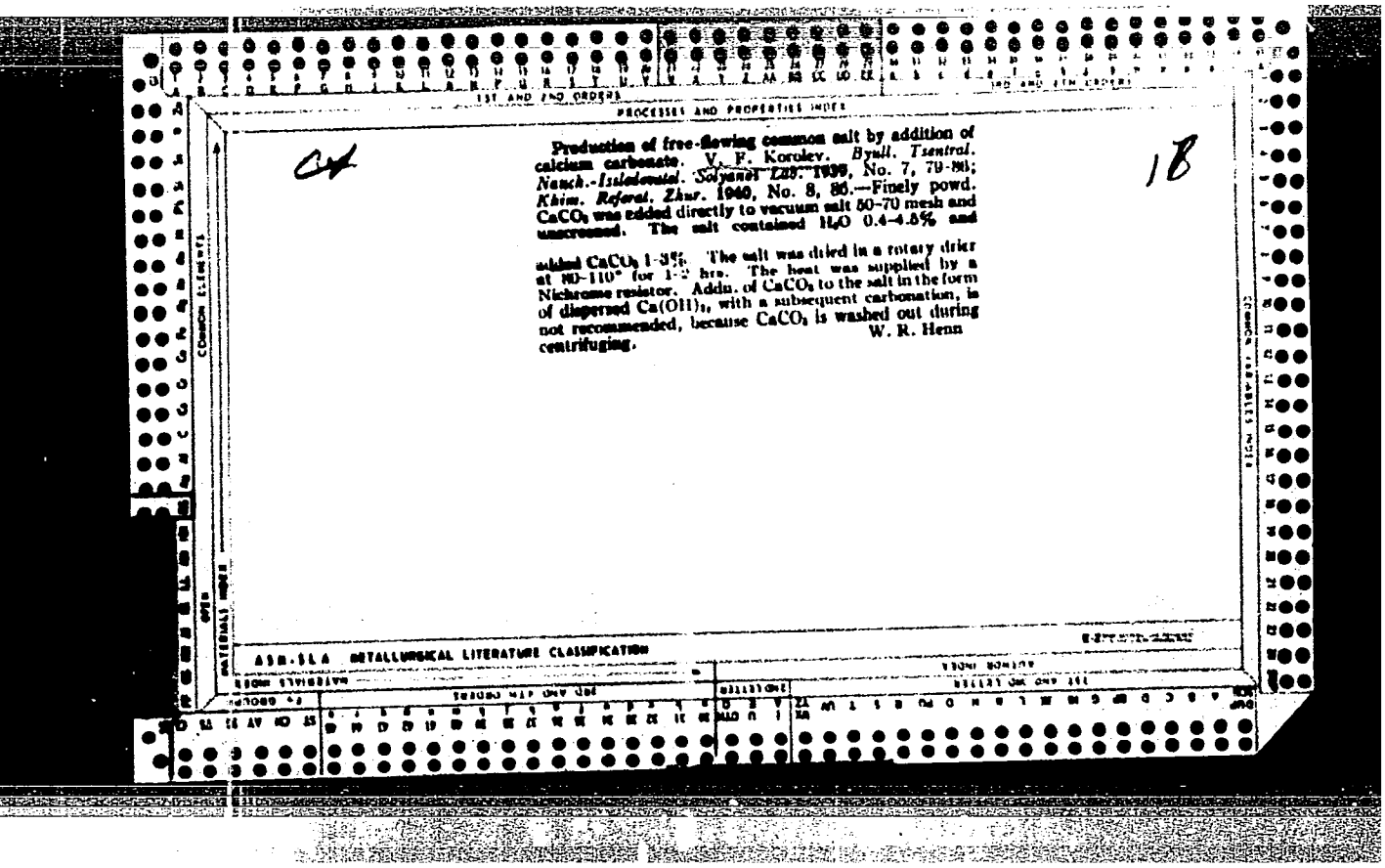


PROCESSES AND PROPERTIES INDEX

The pressure and conditions for the formation of sodium chloride dihydrate. V. P. Korolev. *Byull. Tsentral. Nauch.-Issledovatel. Solyanoi Lab.* 1939, No. 7, 66-78; *Khim. Referat. Zhur.* 1940, No. 8, 84-5.—Crystn. of $NaCl.2H_2O$ (I) from satd. NaCl soln. takes place between 0.15°, m. p. of the dihydrate, and −21.2°, eutp. of the cryohydrate. The presence of other salts, especially of $MgCl_2$, lowers the crystn. temp. Crystn. of I, as well as of $Na_2SO_4.10H_2O$ and NaCl, is observed from sea water concd. to over 9 times its original value. The sp. gr. of I is 1.61 and its vapor pressure 3.48 and 0.70 mm. of Hg at 0.15 and −21.2°, resp. The vapor-pressure curve of I shows a slight decrease between 0.15 and −21.2°, as compared with the satd. soln. of NaCl. The formation of I causes considerable caking of the salt, because at low temps. the water in the salt in the form of a satd. soln. eutp. crystals of I, which cement the crystals. Repeated changes in the temp. cause repeated crystns. of the salt, increasing its caking. The cryohydrate formed at temps. below −21.2° consists of 36% of I (d. 1.61) and 64% ice (d. 0.93). With this difference in the sp. gr., it is possible to enrich, or even to sep., crystals of I from ice, to increase the yield of NaCl.

W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Production of free-flowing common salt by addition of calcium carbonate. V. F. Korolev. *Byull. Tsentral. Nauch.-Issledovatel. Solyanoi Lab.* 1939, No. 7, 79-86; *Khim. Referat. Zhur.* 1940, No. 8, 86.—Finely powd. $CaCO_3$ was added directly to vacuum salt 50–70 mesh and uncrushed. The salt contained H_2O 0.4–4.8% and added $CaCO_3$ 1–3%. The salt was dried in a rotary drier at 80–110° for 1–2 hrs. The heat was supplied by a Nichrome resistor. Addn. of $CaCO_3$ to the salt in the form of dispersed $Ca(OH)_2$, with a subsequent carbonation, is not recommended, because $CaCO_3$ is washed out during centrifuging.

W. R. Henn

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Sodium chloride dihydrate. J.appl.Chem. USSR '52, 25, 507-515.
(BA-AI Je '53:511) (MIRA 5:5)

KOROLEV, V. F.

The dihydrate of sodium chloride. V. P. Ilinskii, V. F. Korolev, and B. I. Akumov. *J. Appl. Chem. U.S.S.R.* 25, 500–7 (1952) (Engl. translation); *Zhur. Priklad. Khim.* 25, 507–15 (1952).—The properties of the dihydrate of NaCl formed in nature are discussed, and the production of pure NaCl by means of the dihydrate is investigated. In the temp. interval 0.15 to −21.2°, the stable phase in the system NaCl-H_2O is the dihydrate. The stability of the solid dihydrate is detd. by the relative humidity of the surrounding air. In natural conditions in chloride lakes having a small content of SO_4 ions in the brine (value of Jaenecke's index for SO_4 is 0.8–3.0), the total salt content frequently exceeds 23.0–24.5%. Consequently with a lowering of temp. in winter it is possible for the dihydrate to crystallize from the brine. Pure NaCl is obtained by means of the dihydrate by cooling a satd. soln. to give max. crystn. of the dihydrate, which is then sepd. from the mother liquor. At a temp. above 0.15°, the sepd. dihydrate breaks up with formation of anhyd. NaCl and a satd. soln. of it. Solns. contg. less than 23.25% NaCl do not sep. the dihydrate on cooling. Calcns. show that by cooling to −21.2°, one metric ton of soln. satd. with NaCl at 25° will sep. 83.0 kg. of the dihydrate, contg. 51.3 kg. NaCl. Also, the quantity and yield of NaCl which is formed on melting of the dihydrate is practically const. within the temp. limits of 0.15–25°. One metric ton of the dihydrate, melting at 25°, yields 481.5 kg. of anhyd. NaCl for a 77.82% yield.

Herbert Liebeskind

KHADZHAY, Ya.I.; KOROLEV, V.F.

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1. Laboratoriya farmakologii Khar'kovskogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta.
(QUERCETIN)

KOROLEV, V.G.; KONSTANTINOV, V.V., redaktor, KOGAN, F.L. tekhnicheskiy redaktor

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(Son-Kul' Lake region—Brachiopa, Fossil)
(Son-Kul' Lake region—Geology, Stratigraphic)

KRIVOLUTSKAYA, V.N.; KOROIEV, V.G.

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(Terskey Ala-Tau--Geology, Stratigraphic)

DZHOLDOSHEV, B.; KOROLEV, V.G.

Geology of the Dzhetym series in the Dzhetym-Tau. Izv.AN Kir. SSR, Ser.est. i tekh.nauk 2 no.6:29-46 '60. (MIRA 15:5)
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DZHUMALIYEV, T.; KOROLEV, V.G.; KRIVOLUTSKAYA, V.N.; RYABOKON', S.A.

Carboniferous sediments in the upper Malyy Naryn Valley. Mat po geol. Tian'-Shania no.1:77-102 '61. (MIRA 17:2)

BAKIROV, A.; KISELEV, V.V.; KOROLEV, V.G.

New data on the Paleozoic stratigraphy of the eastern parts of the Ulan Range and the Naryn-Tau. Mat po geol. Tian'-Shania no. 1:23-41 '61.

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(MIRA 17:2)

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Pre-Cambrian and Caledonian igneous rocks in the western part of the Dzhetymbel' Range. Mat po geol. Tian'-Shania no.1:103-122 '61. (MIRA 17:2)

KOROLEV, V.G.; KRYLOV, I.N.

Stratigraphy of the Upper Pre-Cambrian of northern Tien Shan. Dokl. AN SSSR. 144 no.6:1334-1336 Je '62. (MIRA 15:6)

1. Institut geologii Akademii nauk Kirgizskoy SSR i Geologicheskiy institut Akademii nauk SSSR. Predstavleno akad. A.L.Yanshinym.
(Tien Shan--Geology, Stratigraphic)

KOROLEV, V.G.; NOSYREV, I.V.; TUROVSKIY, S.D.

Paleozoic intrusive complexes in the northern Tien Shan. Mat.po geol.Tian'-Shania no.2:5-19 '62. (MIRA 15:11)
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KOROLEV, V. G.

The scheme of the tectonic regionalization of Tien Shan and adjacent regions. Izv. Kir. fil. Geog. ob-va SSSR no.3:81-102 '62. (MIRA 15:10)

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BOL'SHAKOV, M.N.; VYKHODTSEV, I.V., doktor biol. nauk; NIKITINA, Ye.V., kand. biol. nauk; ZABIROV, R.D., kand. geogr. nauk; ISAYEV, D.I., kand. geogr. nauk; KASHIRIN, F.T.; KOROLEV, V.G., kand. geol.-miner. nauk; LUNIN, B.A., kand. geogr. nauk; MAMYTOV, A.M., akademik; OTORBAYEV, K.O., kand. geogr. nauk; RYAZANTSEVA, Z.A., kand. geogr. nauk, st. nauchn. sotr.; UMURZAKOV, S.U.; YANUSHEVICH, A.I.; BLAGOOBRAZOV, V.A., red.; BEYSHENOV, A., tekhn. red.

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1. Geograficheskoye obshchestvo SSSR. Kirgizskiy filial. 2. Zaveduyushchiy Otdelom geografii AN Kirgizskoy SSR, predsedatel' Kirgizskogo filiala Geograficheskogo obshchestva SSSR (for Otorbayev). 3. Dekan geograficheskogo fakul'teta Kirgizskogo gosudarstvennogo universiteta (for Umurzakov). 4. Zamestitel' direktora instituta geologii AN Kirgizskoy SSR (for Korolev). 5. Rukovoditel' sektora geomorfologii Otdela geografii AN Kirgizskoy SSR (for Isayev). 6. Chlen-korrespondent, zaveduyushchiy sektorom Instituta geologii AN Kirgizskoy SSR (for Kashirin).

(Continued on next card)

BOL'SHAKOV, M.N.---(continued). Card 2.

7. Direktor Tyan-Shan'skoy vysokogornoy fiziko-geograficheskoy stantsii Otdela geografii AN Kirgizskoy SSR (for Zabirov). 8. Otdel geografii AN Kirgizskoy SSR (for Ryazantseva). 9. Chlen-korrespondent, direktor Instituta energetiki i vodnogo khozyaystva AN KirgizskoySSR (for Bol'shakov). 10. Zavedyushchiy Otdelom pochvovedeniya AN Kirgizskoy SSR (for Mamytov). 11. Chlen-korrespondent, vitseprezident AN Kirgizskoy SSR (for Yanushevich). 12. Zaveduyushchiy kafedroy fizicheskoy geografii Kirgizskogo gosudarstvennogo universiteta (for Lunin).
(Kirghizistan--Physical geography)

KOROLEV, V.G.

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KOROLEV, V.G.

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(Tien Shan--Geology, Stratigraphic)

KOROLEV, V.G., otv. red.; ADYSHEV, M.M., akademik, glav. red.; BAYBULATOV, E.B., red.; BURYKHYN, I.V., akademik, red.; GRIGORENKO, P.G., red.; DAVLETOV, I.D., red.; KONYUK, A.A., red.; POPOV, V.M., akademik, red.; SURGAY, V.T., red.

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2. Akademiya nauk Kirgizskoy SSR (for Adyshev, Popov).
3. Institut geologii AN Kirgizskoy SSR (for all).

ADYSHEV, M.M., akademik, glav. red.; KOROLEV, V.G., zam. glav. red.; BAYBULATOV, E.B., red. BURYKHIN, I.V., red.; GRIGORENKO, P.G., red.; DAVLETOV, I.D., red.; KONYUK, A.A., red.; POPOV, V.M., akademik, red.; SURGAY, V.T., red.

[Tectonics of the western regions of the northern Tien Shan] Tektonika zapadnykh raionov Severnogo Tian'-Shania. Frunze, "Ilim," 1964. 143 p. (MIRA 17:8)

1. Akademiya nauk Kirgizskoy SSR Frunze. Institut geologii.
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Faults and structural turns in the western part of the Kirghiz Range. Ibid.:147-152

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Treatment of hyperhidrosis of the feet with an ultrahigh frequency electric field. Vop. kur., fizioter. i lech. fiz. kul't. 29 no.2:172 Mr-Ap '64 (MIRA 18:2)

KOROLEV, Vasiliy Gavrilovich; SMIRNOV, O.S., redaktor; KOGAN, F.L., tekhnicheskiy redaktor

[Automobile dispatcher's manual] Posobie dispetcheru avtomobil'nogo khoziaistva. Izd. 2-oe, dop. i perer. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1957. 133 p. (MLRA 10:5)
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KOROLEV, Vasiliy Gavrilovich; SMIRNOV, O.S., red.; DONSKAYA, G.D., tekhn.red.

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Koroley, V.G. and Gladchenko, A.Ya. (Institute of Geology, Kirghiz Branch, U.S.S.R. Academy of Sciences), The discovery of Ordovician fauna in the so-called "salent deposits of the supposed Devon" in the Terskei Alatau Ridge (Tyan'-Shan'), 979-80

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[Field atlas for the principal brachiopods of the lower Carboniferous of Northern Kirghizistan] Polevoi atlas rukovodiashchikh brakhiopod nizhnego karbona Severnoi Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1955. 30 p. 28 plates. (MLRA 10:4)

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KOROLEV V. G.

15-1957-3-2839

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, pp 53-54 (USSR)

AUTHOR: Korolev, V. G.

TITLE: The Inherited Nature of Some Mesozoic-Cenozoic Basins in Northern Tyan'-Shan' (Ob unasledovannom kharaktere nekotorykh mezokaynozoyskikh vpadin Severnogo Tyan'-Shanya)

PERIODICAL: Tr. in-ta geol. AN KirgSSR, 1956, Nr. 7, pp 87-94

ABSTRACT: The spatial and facies changes in the Carboniferous, Mesozoic, and Cenozoic rocks, and also the relationships among the deformations of these rocks, attest to the fact that several basins in the northern Tyan'-Shan' (Issyk Kul and others) existed as synclinal structural forms in the Lower Carboniferous and, by inheritance, developed in the Mesozoic-Cenozoic with no essential rearrangement of the structural pattern. According to the author, this inheritance of development is

Card 1/2

15-1957-3-2839

The Inherited Nature of Some Mesozoic-Cenozoic Basins in Northern Tyan'-Shan'

also peculiar to structures of the second order--for example, to anticlines and complex basins. From this point of view, deformation in Mesozoic-Cenozoic time consisted of folds, and only at the end of the Tertiary and the beginning of the Quaternary did movements occur which led to faulting.

Card 2/2 A. I. S.

KONOLET, V.G.

Study of ancient strata of the northern Tien Shan. Trudy Inst. geol.AN Kir.SSR no.8:27-38 '56. (MLRA 10:2)
(Tien Shan--Geology, Stratigraphic)

KORGLEV, V.G., Cand Geol-Min Sci--(diss) "Early stages of the geologic development of Alai and adjacent southern mountain ranges." Frunze, 1957.

24 pp (Acad Sci Kirgiz SSR. Inst of Geology), 130 copies (KL,25-58, 109)

KOROLEV, V.G.

Age of the "Archaly series" in the Dzhetym-Tau (Tien Shan) and stratigraphy of the lower Paleozoic in the Chatkal-Naryn area. Trudy Inst. geol. AN Kir. SSR no.9:5-44 '57. (MIRA 11:4)
(Tien Shan--Geology, Stratigraphic)

KOROLEV, V.G., red.

[Excursion through northern Kirghizia; a guidebook] Ekskursiia po Severnoi Kirgizii; putevoditel'. Frunze, Akad. nauk Kirgizskoi SSR, 1958. 55 p. (MIRA 11:11)

1. Vsesoyuznoye petrograficheskoye soveshchaniye, 2nd.
(Kirghizistan--Petrology)

KOROLEV, V. G.

MARUSOV, A.Ya., inzhener-podpolkovnik, glavnyy red.; KUDRYAVTSEV, M.K., general-leytenant tekhnicheskikh voysk, otvetstvennyy red.; DEMIN, L.A., inzhener-kontr-admiral, red.; SHCHERBAKOV, A.N., general-mayor, red.; NIKOLAYEV, A.S., polkovnik, red.; KOLOMIYETS, A.D., polkovnik, red.; NAZAROV, P.V., polkovnik, red.; PAROT'KIN, I.V., polkovnik, red.; PUDIKOV, M.P., polkovnik, red.; SISKLIN, S.V., polkovnik, red.; BARANOV, M.Kh., inzhener-polkovnik, red.; KOMKOV, A.M., inzhener-polkovnik, red.; SHATUNOV, S.G., inzhener-polkovnik, red.; KOROLEV, V.G., polkovnik, tekhn. red.; LUK'YANOV, B.I., polkovnik, tekhn.red.; ROMANOV, M.K., podpolkovnik, tekhn.red.; IVANOV, V.V., inzhener-podpolkovnik, tekhn.red.; LYUBKOV, A.N., inzhener-podpolkovnik, tekhn.red.; KNYSH, P.N., podpolkovnik tekhnicheskoy sluzhby, tekhn.red.; VASMUT, A.S., kapitan, tekhn. red.; KOSTIN, A.G., tekhn.red.; MAKUKHINA, G.P., tekhn.red.

[World atlas] Atlas mira. Moskva, Voen.izd-vo M-va obor. SSSR, 1958. 459 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Armiya. General'nyy shtab. Voyenno-topograficheskoye upravleniye. 2. Tekhnicheskaya redaktsiya Voyenno-topograficheskogo upravleniya General'nogo Shtaba (for Korolev, Luk'yanov, Romanov, Ivanov, Lyubkov, Knysh, Vasmut) (Atlases)

Korolev, V. G.

15-57-1-270

Translation from: Referativnyy zhurnal, Geologiyz, 1957, Nr 1, p 39 (USSR)

AUTHORS: Rozova, Ye. A., Korolev, V. G.

TITLE: Seismic Activity in the Region of Mount Frunze (Seysmichnost' rayona g. Frunze)

PERIODICAL: Izv. AN KirgSSR, Nr 2, pp 45-60

ABSTRACT: Bibliographic entry

Card 1/1

KOROLEV, V.G.

Late Pre-Cambrian and lower Paleozoic formation in the Tien-Shan and sedimentary minerals associated with them. Zakon.razm. polezn.iskop. 3:88-116 '60. (MIRA 14:11)

1. Institut geologii AN Kirgizskoy SSR.
(Tien-Shan--Minerals)

ADYSHEV, M.M.; MALMURZAYEV, K.Ye.; KOROLEV, V.G.

Stratigraphy of Cambrian and Ordovician sediments in the Sarydzhaz region (central Tien Shan). Mat. po geol. Tian'-Shania no.3:49-63 '62. (MIRA 16:7)

(Tien Shan--Geology, Stratigraphic)

GALITSKAYA, A.Ya.; KOROLEV, V.G.

Carboniferous of northern Kirghizia. Mat po geol. Tian'-Shania no.1:43-75 '61. (MIRA 17:2)

KOROLEV, V.G.; RYABOKON', S.A.

Quaternary sediments of the upper Naryn Valley. Mat po geol. Tian'-Shania no.1:139-154 '61. (MIRA 17:2)

KOROLEV, V.G., otv. red.

[New data on the stratigraphy of the Tien Shan] Novye dannye po stratigrafii Tian'-Shania. Frunze, Ilim, 1965. 214 p. (MIRA 18:6)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut geologii.

KOROLEV, V.G.; MISYUS, P.

Types of Lower Paleozoic cross sections in the eastern part of the Tien Shan. Biul. MOIP. Otd. geol. 40 no.2:73-87 Mr-Ap '65. (MIRA 18:5)

REBBER, B.M.; KOROLEV, V.G.; KRYLOV, I.N.

Division of the Upper Proterozoic of the Tien Shan. Izv. AN SSSR. Ser.Geol. 30 no.4:101-115 Ap '65. (MIRA 18:4)

1. Geologicheskiy institut AN SSSR, Moskva.

MAYANSKAYA, K. A.; KOROLEV, V. I.; FAZLULLINA, R. S.

Sedatives in peptic ulcer. Klin. med., Moskva 29 no.7:18-21 July 1951. (CLML 21:1)

1. Kazan!

KOROLEV, V.I.

Using Vitamin B_1 electrophoresis in the compound therapy of gastric and duodenal ulcer. Vop. kur., fizioter. i lech. fiz. kul't. 22 no.1:17-20 Ja-F '57 (MLRA 10:4)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta fizicheskikh metodov lecheniya (dir.-kandidat meditsinskikh nauk N.V. Orlov, nauchnyy rukovoditel' prof. D.G. Shefer)
(PEPTIC ULCER) (THIAMINE) (ELECTROPHORESIS)

KOROLEV, V.I

MEL'NIK, A.N., KOROLEV, V.I.

Cytological examinations in oncological outpatient clinics and hospitals. Vrach.delo no.4:431 Ap'58 (MIRA 11:6)

1. Rovenskiy oblastnoy onkologicheskiy dispanser.
(TUMORS)

ZHELEZTSOV, A.D.; BRAILOVSKIY, A.A.; GIL'MAN, A.M.; KOROLEV, V.I.; RUKAVISHNIKOVA, O.V.

Instrument used for recording trajectory movement. Rech. transp. 18 no.5:45-46 My '59. (MIRA 12:9)
(Recording instruments) (Aids to navigation)

KOROLEV, V.I.

"Water Resistance in Longitudinal Vessel Pitching contained data which make it possible to calculate vertical and keel pitching resistance of ships on the basis of the flat cross-section hypothesis."

report presented at the 11th Annual Scientific Technical Conference on Ship Theory, organized by the Central Administration of the Scientific-Technical Society of the Shipbuilding Industry, 13-15 December 1960.

KOROLEV, V.I. [Korol'ov, V.I.]

Resistance of water during the heave of the ship. Visti Inst. gidrol. i gidr. AN URSR 17:66-77 '60. (MIRA 14:8)
(Ship resistance)

KOROLEV, V.I. [Korol'ov, V.I.]

Experimental investigation of bending moments in the body of a ship in waves. Visti Inst. gidrol. i gidr. AN URSR 17:78-84 '60. (MIRA 14:8)

(Ships—Hydrodynamics)

KOROLEV, V.I.

PHASE I BOOK EXPLOITATION SOV/4531

Akademiya nauk SSSR. Institut mekhaniki

Inzhenernyy sbornik, tom 26 (Engineering Symposium, Vol. 26) Moscow, 1958. 286 p. 2,400 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk. Institut mekhaniki.

Resp. Ed.: A. A. Il'yushin; Ed.: G. I. Pshenichnov; Tech. Ed.: B. M. Lerman.

PURPOSE: This book is intended for engineers.

COVERAGE: The book contains 29 articles dealing with professional work performed by mechanical engineers, such as the calculations of shells, rods, and plates, and solutions of problems in stress distribution and equilibrium. Oscillations (including flutter) and deformation of shells, equilibrium of shell panels, rods and solids, stability of rods, plates, frames and other members, stress concentration, and bending are discussed. Oscillations of aircraft wings are studied. References accompany each article.

Card 1/6

BEKAURI, N.V.; KOROLEV, V.I.; STEPOCHKINA, N.A.; RUSAKOVA, K.G.

Effect of pilocarpine and atropin on the size of the pupil and intraocular pressure in rabbits in normal conditions and in disorders of the innervation of the eye. Fiziol. zhur. 47 no.7:821-825 Jl '61. (MIRA 15:1)

1. From the Laboratory of Trophic Innervation, I.P.Pavlov Institute of Physiology, Leningrad.
(ALKALOIDS--PHYSIOLOGICAL EFFECT)
(PUPIL (EYE)) (INTRAOCULAR PRESSURE) (EYE--INNERVATION)

KOROLEV, V.K.

DAVIDENKO, S.A.; VAYS, A.L.; NIKOLENKO, V.F.; KALASHNIKOV, I.F.; KOROLEV, V.K.; SHILOVTSEVA, L.M., redaktor; MAL'KOVA, M.V., tekhnicheskiy redaktor.

[Assembly-line secondary servicing of automobiles] Vtoroe tekhnicheskoe obsluzhivanie avtomobilia na potoke. Moskva, nauchno-tekhn.izd-vo avtotransp. lit-ry, 1954. 31 p.(MLRA 8:11)
(Automobiles--Repairing)

AG ROLEV VASILIY K.

VAYS, Anatoliy L'vovich, NIKOLENKO, Viktor Filippovich; KOROLEV, Vasiliy Kuz'mich; KALASHNIKOV, Ivan Fedorovich; KISELEVA, V.A., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskiy redaktor

[Dump trucks with dump trailers; the practices of the 5th truck depot of the Chief Moscow Automobile Transportation Administration] Samosval'nye avtopoezda; iz opyta 5-i avtobazy Glavmosavtotransa. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 53 p. (MLRA 10:3)
(Truck trailers)
(Dump trucks)

KOROLEV, V.I.

Role of the motor regions of the cerebral cortex in the compensation of lost functions of the analyzers in monkeys in ontogeny following exclusion of distant receptors and the vestibular apparatus. Nauch.soob. Inst.fiziol. AN SSSR no.3:67-72 '65.

(MIRA 18:5)

1. Laboratoriya sravnitel'noy fiziologii vnutrennikh analizatorov (zav. - E.Sh.Ayrapet'yants) Instituta fiziologii imeni Pavlova AN SSSR.

KOROLEV, V. I.

"Certain Problems of the Theory of Plasticity With Low Hardening." Sub 26 Jun 47, Moscow Order of Lenin State U imeni M. V. Lomonosov

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

Cand. Physics-Math Sci

KOROLEV, V.I.

FD-1507

USSR/Physics - Pipe coupling

Card 1/1 : Pub. 129-10/18

Author : Korolev, V. I.

Title : Design of corrugated extension coupling

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 6, 81-90, Sep 54

Abstract : Unsealed corrugated extension coupling are discussed. The curvature radius of corrugation is small in comparison with depth, i.e. the pipes are composed of ring-shaped plates continuously connected among themselves by toroidal casings with a small curvature radius as compared to the width of the plate. Three references, tables and graphs.

Institution : Chair of Elasticity Theory, Moscow University

Submitted : March 8, 1954

KOROLEV, V. I.

Distr: 4F1

810. Korolev, V. I., Thin double-layer plates and shells (in Russian), Inzhener. Sbornik, Akad. Nauk [illegible] 22, 98-110, 1955

Layers of uniform thickness are made of different elastic and isotropic materials. Bond at contact surface is perfect, and deformation is continuous across total thickness δ. Usual assumptions ($\delta/R \ll 1$, Kirchhoff's $E_1/E_2 \leq 10$–15, stress across δ negligible) are made.

Strains and curvatures in neutral surface are expressed (first approximation) through curvilinear coordinates. Position of neutral surface is found. Stresses are related to strains (usual two-dimensional) and integrated over δ. Relationships between normal forces and strains, couples and curvatures, respectively, can be reduced to classical form provided "over-all" moduli of elasticity E and of rigidity D, and "over-all" Poisson's ratio μ, are introduced.

Equilibrium equations are set in terms of forces and couples. They do not differ from corresponding equations for thin plates and shells, except that E, D, and μ are replaced by over-all parameters. Thus, known results of classical thin plates and shells theory can be transposed.

In particular, author examines problem of thermal stresses. Again, similarity exists. Also problem for stability analysis, for

KOROLEV, V. I.

which are listed some known formulas.

In order to check accuracy of this theory stresses are calculated for circular plate and cylindrical [illegible] approximate theories [illegible] satisfactory [illegible]

1 1/2

KOROLEV, V.I.

Symmetrical shape of strength losses in three-layer plates and shells. Vest.Mosk.un.11 no.5:3-12 My '56. (MLRA 9:10)

1.Kafedra teorii uprugosti. Chair of Theory of Elasticity
(Elastic plates and shells) (Strains and stresses)

24,4200

S/124/62/000/004/028/030
D251/D301

AUTHORS: Korolev, V. I., Smirnov, I. G. and Sokolov, V. N.

TITLE: Investigating the stability of a cylindrical shell with limited elasticity

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1962, 30, abstract 4V212 (Uch. zap. MGU, 1961, no. 193, 22-41)

TEXT: Results are given of the experimental investigation of the stability of thin cylindrical shells under the action of axial compression in the presence of a constant internal pressure. 500 mm dia. shells made of 1Х18Н9Т (1Kh18N9T) steel and of АМГ-6Т (AMG-6T) aluminum alloy were tested. Thickness of the shell was in the range 1 - 2.5 mm. The shells were welded from sheets of the material. A satisfactory agreement between the theoretical and experimental values of the critical load of the shell was established. [Abstracter's note: Complete translation.]

Card 1/1

S/258/62/002/001/007/013
I028/I228

AUTHOR: Korolev, V. I., Smirnov, I. G. and Stomma, R. P. (Moscow)

TITLE: Investigation of the stability of bimetallic cylindrical shells in axial pressure beyond the limits of elasticity

PERIODICAL: Inzhenernyy zhurnal, v. 2, no. 1, 1962, 98–110

TEXT: An approximate method is described for the determination of the critical loading and def or mation, based on the consideration of local forms of stability only and the exclusion of non-linear forms of stability only and the exclusion of non-linear forms of stability loss. Bimetallic cylindrical shells, prepared from different combinations of soft steels 10, 25, 25, high-strength aluminium alloy Д16 (D16) and aluminium magnium alloy AMG-3 were used. Before assembly, the contact surfaces were covered with bakelite glue; the shells were tested only after the complete polymerization of the glue. The shells had a wall thickness between 1 and 2.5 mm, length 150 mm, mean radius 37.5 mm, ratio of working part of the shell to radius 2.14 to 2.91. They were tested on a machine with hydraulic drive, and the plastic deformations were measured by means of plastic indicators glued to the shell surface. The load and the deformation were continuously recorded by means of self-balancing automatic bridges of the type ЭМП-209м1 (EMP-209m1). Twelve monometallic and twenty-one bimetallic shells were tested in all. The results obtained were compared with the theoretical ones, and were found to be satisfactory. There are 9 figures and 9 tables.

SUBMITTED: May 22,1961

Card 1/1

S/879/62/000/000/016/088
D234/D308

AUTHOR: Korolev, V. I. (Moscow)

TITLE: Thin orthotropic three-layer plates and shells with a liquid filler

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 132-136

TEXT: The author extends his previous results to the orthotropic case. The deformed state is determined by 5 parameters which include two new functions indicating the bending, without taking account of transverse displacements in the filler. The equations of equilibrium are the same as for thin homogeneous shells. Boundary conditions are considered for the case of a rectangular plate without edge forces. Errors are estimated. It is stated in particular that transverse deformations of the filler in thin shells do not affect the deformed and stressed state. Resolvent differential equations are formulated for rectangular plates, circular

Card 1/2

Thin orthotropic three-layer ... S/879/62/000/000/016/088
D234/D308

plates with axially symmetric deformation and shells of revolution subject to axially symmetric loads. There is 1 figure.

Card 2/2

SILANT'YEV, Anatoliy Ivanovich, inzh.-pol[illegible]; KULIK CH, L.D., inzh.-kapitan I ranga, red.; KOKOLEV, V.I., inzh.-mayor, red.

[Solid rocket propellants] Tverdye raketnye topliva. Moskva, Voenizdat, 1964. 75 p. (MIRA 18:1)

ANZIN, Anatoliy Mefod'yevich; KULINICH, D.D., kapitan I ranga, red.; KOROLEV, V.I., inzh.-mayor, red.

[The atom as an engine] Atom - dvigatel'. Moskva, Voenizdat, 1964. 76 p. (MIRA 18:2)

L 51454-65 EWT(d)/EPA(s)-2/EWT(m)/EPF(c)/EWA(d)/EWP(w)/EPR/EWP(j)/T-2/EWP(w)/EWP(k)/EWA(h) Pc-4/Pf-4/Pr-4/Ps-4/Pt-7/Peb WW/EM/RM

ACCESSION NR: AP5011322 UR/0258/65/005/002/0306/0315

539.4.015

AUTHOR: Korolev, V. I. (Moscow)

TITLE: Some problems in selecting the optimal structure of fiberglass reinforced plastics

SOURCE: Inzhenernyy zhurnal, v. 5, no. 2, 1965, 306-315

TOPIC TAGS: reinforced plastic shell, optimal structure calculation, fiber winding pattern, base fiber strength, axisymmetrically loaded shell, fiber property anisotropy, shell carrying capacity, fiberglass reinforced plastic

ABSTRACT: Possible mathematical approaches to selecting the optimal structures of reinforced plastics for cylindrical shells acted on by axisymmetrical loads are discussed. The author writes specific expressions for the optimal winding angles (endless unidirectional, oblique, oblique cross, straight cross winding, etc.) and the critical values of forces acting on variously wound shells subject to external pressure, uniform axial compression or torsion. These are used to define critical force values for each winding angle φ in the range $0 \leq \varphi \leq 90°$, the optimal structure corresponding to a maximum critical force value. The

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ACCESSION NR: AP5011322

formulas can also serve to determine base component layers with optimal anisotropy of elastic properties. Finally, the author relates the carrying capacity of cylindrical shells, produced by endless unidirectional winding of plastics based on straight or twisted fibers, to the tensile strength of the base fiber and writes the appropriate expressions. Orig. art. has: 6 figures and 44 formulas.

ASSOCIATION: None

SUBMITTED: 09Jul64 ENCL: 00 SUB CODE: ME, MT

NO REF SOV: 002 OTHER: 004

Card 2/2

KOROLEV, V.I., inzh. (Bryansk)

The MPG-1,7 machine for clearing land of bushes. Gidr. i mel. 17 no.5:43-45 My '65. (MIRA 18:7)

L 16517-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h)/ETC(m)-6 LIP(c) WW/EM
ACC NR: AP6002632 (N) SOURCE CODE: UR/0258/65/005/006/1134/1137

AUTHORS: Korolev, V. I. (Moscow); Smirnov, I. G. (Moscow)

ORG: none

TITLE: The stability of spherical shells beyond the limits of elasticity

SOURCE: Inzhenernyy zhurnal, v. 5, no. 6, 1965, 1134-1137

TOPIC TAGS: shell, shell stability, shell deformation, material strength/ AMG-6 alloy

ABSTRACT: The results of tests performed for the evaluation of the stability of spherical shells are presented. Tests were performed for the purpose of determining the critical value of uniform external pressure on a spherical shell under deformation beyond the elastic limit. The shell specimens were prepared from aluminum-magnesium alloy AMG-6; the specimens were first made as separate hemispherical sections which were later joined. Dimensions and certain characteristics of the specimens are tabulated. The tests were conducted in a specially designed chamber outfitted with a pump for supplying pressure and with appropriate instrumentation and controls. The loss of bearing capacity of a shell was detected visually with

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the appearance of a dent in the shell surface. Failure was also detected on oscillograms recording test pressures. The test results indicate that the critical pressures (in atmospheres) for the shells tested are: shell no. 1 - 145, shell no. 2 - 153, shell no. 3 - 113, and shell no. 4 - 106. These results are analyzed with formulae derived by V. I. Korolev (Vypuchivaniye plastin i obolochek pri plasticheskikh deformatsiyakh. Dokl. na V Vses. konf. po. teorii plastin i obolochek. M., 1965). An equation for finding the critical pressure is developed and applied. Orig. art. has: 3 tables, 3 figures, and 4 equations.

SUB CODE: 20, 13/ SUBM DATE: 21Sep64/ ORIG REF: 004

L 38275-66 EWT(1)/EWP(m) WW/GD

ACC NR: AT6016728 (N) SOURCE CODE: UR/0000/65/000/000/0150/0156

AUTHOR: Korolev, V. I. 16 B+1

ORG: Institute of Hydromechanics AN UkrSSR (Institut gidromekhaniki AN UkrSSR)

TITLE: Calculation of the stability of the movement of ships on submerged hydrofoils /

SOURCE: AN UkrSSR. Gidrodinamika bol'shikh skorostey (High speed hydrodynamics), no. 1. Kiev, Izd-vo Naukova dumka, 1965, 150-156

TOPIC TAGS: hydrofoil, marine engineering

ABSTRACT: The equations of motion of a ship, with deviations from the equilibrium position, have the following dimensionless form:

$$z''+a_1z'+a_2z+a_3\varphi'+a_4\varphi=0;$$
$$b_1z'+b_2z+\varphi''+b_3\varphi'+b_4\varphi=0, \quad (1)$$

where z, z', and z" are the displacements of the ship in a vertical direction and their time derivatives; φ, φ', φ'' are the angular displacements of the ship relative to its transverse axis, passing through the center of gravity, and their derivatives; a_i and b_i are

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L 38275-66

ACC NR: AT6016728 0

coefficients determining the dynamic properties of the ship, as a vibrating system. The article proceeds to a mathematical treatment of the problem, and then concludes with a sample calculation for an actual 18 ton ship. Orig. art. has: 1 formula and 4 figures.

SUB CODE: 13/ SUBM DATE: 30Sep65/ ORIG REF: 002

Card 2/2 mlp

ACC NR: AT7004012

disregarded. It is shown that the results may be applied to problems in rational selection of elements for the supporting surfaces which give maximum longitudinal static stability as well as for determining the restoring moments for GEM's with given elements and for calculating the restoring moments under various operating conditions. Orig. art. has: 7 figures, 2 tables, 13 formulas.

SUB CODE: 13, 20/ SUBM DATE: None/ ORIG REF: 001

Card 2/2

ACC NR: AT7004013 (N) SOURCE CODE: UR/3239/66/000/002/0056/0059

AUTHOR: Korolev, V. I.

ORG: None

TITLE: An automatic instrument for monitoring and controlling the load on ships

SOURCE: Nikolayev. Korablestroitel'nyy institut. Sudostroyeniye i morskiye sooruzheniya, no. 2, 1966. Sudostroyeniye (Shipbuilding), 56-59

TOPIC TAGS: automatic control equipment, cargo ship, marine engineering, special purpose computer

ABSTRACT: The author describes an instrument developed at the Institute of Hydromechanics AN UkrSSR under the direction of Academician G. Ye. Pavlenko for monitoring and controlling the load on ships. Operation of the instrument is based on the use of the vector method for determining the state of a ship. The device is basically a special computer which uses input data on the weights and cg coordinates of cargo being loaded to determine the new position of the cg of the ship and its displacement. The resultant data are used for determining the maximum draft of the vessel, its trim, metacentric height, period of natural oscillations during rolling, longitudinal bending moments on quiet water and on a standard wave and also to solve the problem of resistance to capsizing and emergency stability when one or two holds are flooded. These data may also be used in conjunction with simple operations to plot the diagram

ACC NR: AT7004013 "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824820003-4"

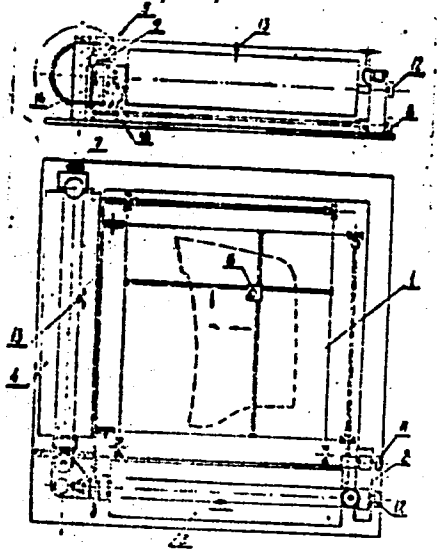

Fig. 1. 1--coordinate device; 2--speed reducer; 3--height drum; 4--trim drum; 5--interlocking and multiplication unit; 6--electric lamp indicator; 7--knob for setting the longitudinal coordinate of the load; 8--knob for setting the vertical coordinate of the load; 9--friction roller; 10--friction disc; 11--knob for small loading scale; 12--knob for large loading scale; 13--scriber; 14--screw which moves the friction roller.

ACC NR: AM6032828 Monograph UR/

Korolev, Vasiliy Ivanovich

Laminated anisotropic plates and shells made from reinforced plastics (Sloistyye anizotropnyye plastinki i obolochki iz armirovannykh plastmass). Moscow, Izd-vo "Mashinostroyeniye", 1965. 271 p. illus., biblio. Errata slip inserted. 3500 copies printed.

TOPIC TAGS: plastic, laminated plastic, structural plastic, plastic strength, plastic deformation, reinforced plastic

PURPOSE AND COVERAGE: This book is intended for engineering and technical personnel working to develop thin-walled designs from reinforced plastic. In the book are discussed the bases for the technical theory of anisotropic plates and shells made of stiff, reinforced plastic. The solutions to a multiplicity of technical problems most often encountered in engineering practice are obtained, with recommendations for the practical design of resilient parts made from reinforced plastics. Several sections are devoted entirely to problems of selecting the optimal structure of the material. The obtained results hold true for thin, three-layer plates and shells, if the appropriate substitution of the rigidity parameters is made; this represents one of the most practical power systems for designing with reinforced plastics. There are 26 references, all Soviet.

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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824820003-4

Card 2/2 SUB CODE: 11, 13, 07/ SUBM DATE: 25Oct65/ ORIG REF: 026/

KOROLEV, V.I. [Korol'ov, V.I.]

Rolling of ships. Visti Inst. hidrol. i hidr. AN URSR 19:28-41 '61.
(MIRA 15:7)

(Ships--Hydrodynamics)

KOROLEV, V.I. [Korol'ov, V.I.]

Greatest added moment tending to cause the sinkage of a vessel. Visti Inst. hidrol. i hidr. AN URSR 19:42-50 '61. (MIRA 15:7)
(Ships--Hydrodynamics)

28959
S/146/61/004/003/008/013
D217/D301

13,2530

AUTHORS: Korolev, V.I., Makarychev, Yu.K., Mel'nikov, V.A., and Permyakov, N.V.

TITLE: An instrument for recording the angles of roll and pitch angular velocities and accelerations

PERIODICAL: Izvestiya vysshnikh uchebnykh zavedeniy. Priborostroyeniye, v. 4, no. 3, 1961, 75 - 82

TEXT: The author describe an instrument used for registering both the roll and trim of ship angles. The system consists of a gryoscopic element producing the input coordinate angle $\varphi(t)$ connected to series-connected summing device, amplifier, servomotor, slylus carriage with the position feedback loop between the slylus carriage and adder. The sensing element is the vertical reference gyro АГИ-1 (AGI-1) or ДК-6М (DK-6M). Linear wire pickups fixed at the axes of the gimbols serve as transducers. The voltage from the pick-ups is added to the feedback signal and the signal error is

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applied to the amplifier. The output of the amplifier feeds the control winding n_y of a two phase asynchronous motor type ЭМ-1 (EM-1). The output stages is built around tubes types 6ПИП (6PIP) with anodes fed in antiphase from a transformer, whose center top is connected through the n_y winding of the servo to the cathodes, so that a pulsating current is produced at the anode load, at a frequency double that of the supply (400 c/s). The grid winding n_c of the servo EM-1 connected directly to the supply 115V at 400 c/s through a phase shifting capacitor c_3. The a.c. component of the pulsating current makes the rotor of the servo oscillate at the frequency of the 1st harmonic and the amplitude of oscillations depends on the relationship between the electromechanical constant of the servo and the period of the 1st harmonic of pulsating current. Thus oscillations result in the linearization of the system with coulomb friction and backlash in gear and pinion drives. To obtain signals proportional to the angular velocity of the ship roll or of the roll of ship models, two stage gyroscopes type

ЭУП -53 (EUP-53) are used. The zero-set level with input signal equal to zero is ob[illegible]ined by cha[illegible]ging the voltage of one of the output v[illegible]lves. The instrument is moduli-built and consists of the following main blocs: 1) Gryroscopic angle pick-up; 2) Gyrsocopic velocity pick-up; 3) Amplifiers; 4) Spooling mechanism and time marker; 5) Power supplies. The basic technical specification of the instrument is as follows: 1. Range of frequencies reproduced without distortion for roll and tr[illegible] 0 to 1.2 c/s; 2. Maximum angles: roll ± 40°; trim ± 12° (when using DK-6M as sensing elements both angles go up to ± 60°). 3. Maximum stylus deflection; 60 mm for roll and 40 mm for trim. 4. Accuracy of recording on paper tape 1°. 5. Range of measurements of angular velocit[illegible]s, roll, ships 0-40 deg/sec, models 0-200 deg/sec, trim, ships 0-20 deg/sec, models 0-100 deg/sec. 6. The range of measurements of angular accelerations, roll, ships 0-40 deg/sec^2, models 0-8000 deg/sec^2, trim, ships 0-40 deg/sec^2, models 0-800 deg/sec^2. 7. Time marker intervals on paper tape 0.5 sec. 1 sec. 2 sec. with accuracy 1 %. 8. S[illegible]eed of feed of paper tape at recording: 2 mm/sec, 4 mm/sec, 8 mm/

sec. 9. Power supply d.c. mains 27 V[illegible]nd a.c. mains 127-220 V. 10. Dimensions of the instrument 630 x 420 x 350 mm. 11. Weight without the power supplies does not exceed 20 kg. There are 6 figures and 1 Soviet-bloc reference.

ASSOCIATION: Issledovatel'skiy, fiziko-tekhnicheskiy institut Gor'kovskogo gosudarstvennogo universiteta im. N.I. Lobachevskogo Rekomendivana GIFTL (Physics and Technology Research Institute of the Gor'kiy State University im. L.I. Lobachevskiy. Recommended by GIFTL)

SUBMITTED: December 14, 1960

KOROLEV, V. K.

Pneumatic cotton dryer and its modification. Trudy Inst.energ. AN Uz.SSR no.4:22-55 '50. (MLRA 9:11)
(Drying apparatus) (Cotton--Drying)

KOHOLEV, V.K.

Physical nature of the moistere of raw cotton. Trudy Inst.energ.AN Uz.SSR. no.4:56-82 '50. (MLRA 9:11)
(Moisture) (Cotton--Drying)

KOROLEV, V.K.

Nomogram for calculating the moisture content of cotton and cotton products. Trudy Inst.energ.AN Uz.SSR no.4:100-104 '50. (MLRA 9:11)
(Moisture) (Cotton)

KOROLEV, V.K.

Equilibrium moisture of raw cotton. Izv.AN Uz.SSR no.7:57-66 '56.
(MIRA 14:5)

(Cotton--Moisture)

USSR/Cultivated Plants. Technical Plants. Oil and Sugar Bearing Plants. II

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68267

Author : Korolev, V. K.
Inst : AS Uz SSR.
Title : The Moisture of Raw Cotton as a Factor of Its Spontaneous Combustion.

Orig Pub : Izv. AN UzSSR, 1956, No 10, 25-33

Abstract : No abstract.

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KOROLEV, V.K.

Industrial checking of the spontaneous heating of raw cotton. Izv. AN Uz. SSR.Ser.tekh.nauk no.1:35-40 '57. (MIRA 11:7)
(Cotton--Storage)

KOROLEV, V.K.

Moisture of raw cotton as a factor in spontaneous heating. Izv. AN Uz. SSR no. 10:25-33 '56. (MIRA 14:5)
(Cotton—Moisture content)

ZORCEV, V.K.

New variation of the J-d diagram for wet air. Trudy VZEI no.20:62-75 '62. (MIRA 17:8)

KOROLEV, V.K.; RAVICH, M.B., doktor tekhn. nauk, prof., red.

[Humid gas and the I-d diagram; a lecture for students of the Faculty of the Advancement of Postgraduate Engineers specializing in "Steamoperated units and ways toward their improvement" and for 6th year students of the Faculty of Heat Engineering, specializing in "Industrial heat engineering," and studying the subject of "Drying plants"] Vlazhnyi gaz i I-d diagramma; lektsiia dlia slushatelei fakul'teta usovershenstvovaniia diplomirovannykh inzhenerov spetsializatsii "Paroispol'zuiushchie ustanovki i puti ikh usovershenstvovaniia" i dlia studentov VI kursa teploenergeticheskogo fakul'teta spetsializatsii "Promyshlennaia teploenergetika" pri izuchenii distsipliny "Sushil'nye ustanovki." Moskva, Vses. zaochnyi energeticheskii in-t, 1963. 58 p. (MIRA 18:4)

GOVOROV, N.P., professor; KOROLEV, V.M., aspirant.

Roots of Caucasian Gomphocarpus as medicinal preparation in intestinal disease of young animals. Veterinariia 30 no.1: 44-45 Ja '53. (MLRA 6:1)

1. Omskiy veterinarnyy institut.

GOVOROV, N.P., professor; KOROLEV, V.M.

Etiology and therapy of gastrointestinal diseases in young domestic animals. Veterinariia 32 no.1:42-46 Ja '55. (MLRA 8:2)

1.Omskiy veterinarnyy institut.
(VETERINARY MEDICINE) (ALIMENTARY CANAL--DISEASES)

KOROLEV, V. M.

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24.6730

AUTHORS: Voronkov, R. M., Povzner, M. I., Flerov, N. N., Aref'yev, A. V., Basalayev, M. I., Korolev, V. M., Moskalev, S. S., Osipov, V. P.

TITLE: 30-Mev linear electron accelerator designed for neutron spectroscopy

PERIODICAL: Atomnaya energiya, v. 13, no. 4, 1962, 327 - 336

TEXT: The accelerator, designed by the Radiotekhnicheskiy institut AN SSSR (Radio Engineering Institute AS USSR) and used for neutron spectroscopy at the Ordena Lenina Institut atomnoy energii im. I. V. Kurchatova AN SSSR (Lenin Order Institute of Atomic Energy imeni I. V. Kurchatov AS USSR), is a traveling-wave accelerator which produces a pulsed electron beam with an energy of 30 Mev and a current of up to 500 ma. It operates on 2764 Mc/sec at a pulse repetition frequency of 100 cps and with pulse durations of 0.6, 0.2, or 0.05 μsec. At the input of the diaphragmed waveguide there is a field of 150 kv/cm. The efficiency of h-f energy conversion is 30-35%. The maximum h-f power for λ = 10.8 cm is 20 Mw. The diaphragmed waveguide

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